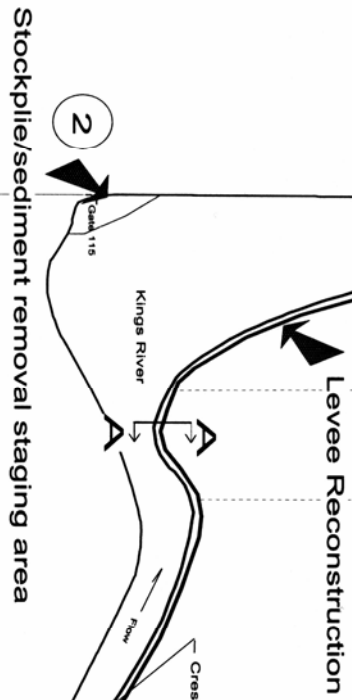
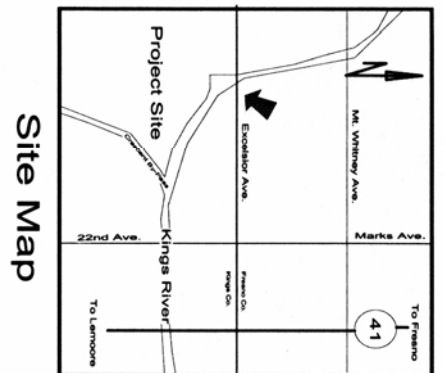
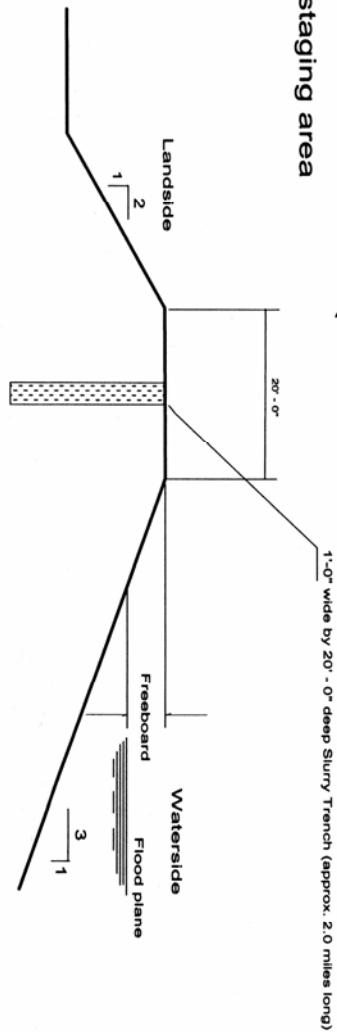


APPENDIX A



A- A Cross Section of a Typical Project Levee



1 Levee Strengthening

Job Location: Crescent Weir to Excelsior Ave.

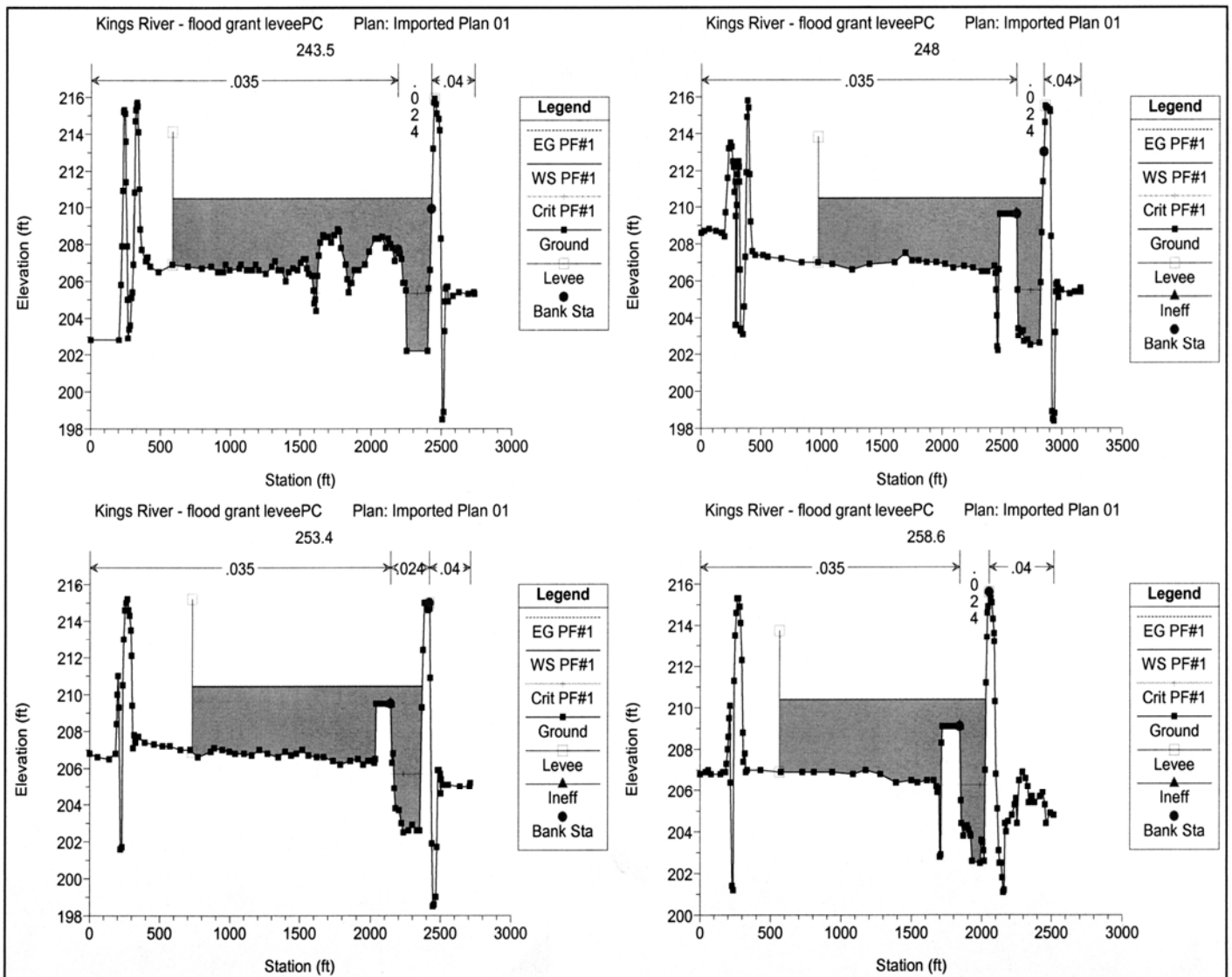
Right Bank, North Fork Kings River

Job Description: Curtain Slurry approximately 3.3 miles of Project Levee

2 Stockpile/Staging Site

Job Location: intersect of the left bank and 26 1/4 Avenue approx. 0.75 mile upstream of Excelsior Avenue

Job Description: Construction of a 30 Acre Staging Pad.



River Below Crescent Weir Exceedence Values for Periods 1981 - 1998

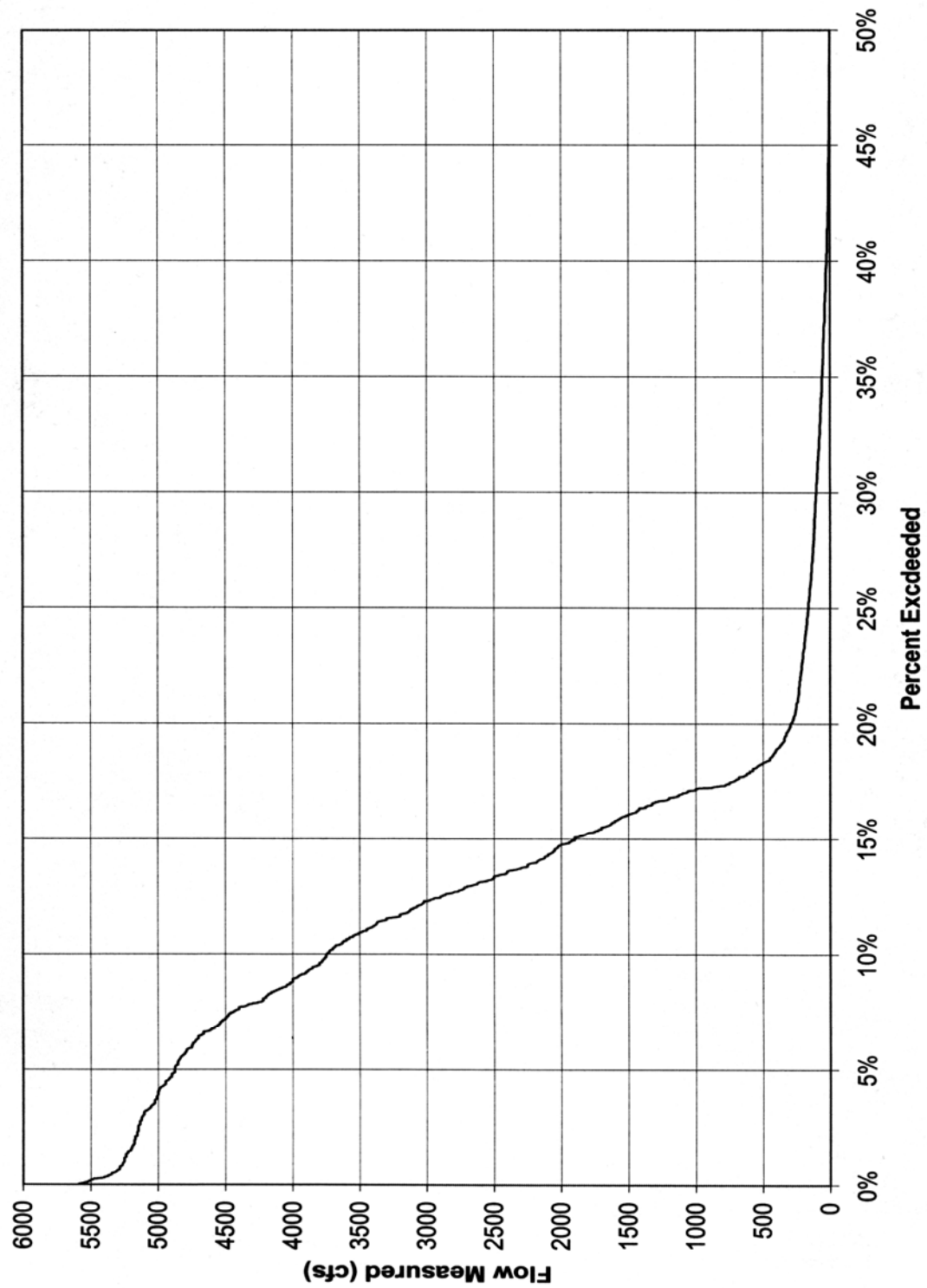


Table A1: In-Kind Services for Grant Preparation and Submittal (Tasks 1-4)

Item Description	QTY	Unit	Price	Unit Costs	Cost (\$)
Assistant Engineer II	80	hr	\$65.00	per hour	\$5,200.00
Environmental Chief	20	hr	\$85.00	per hour	\$1,700.00
Hydro Chief	20	hr	\$85.00	per hour	\$1,700.00
Flood Director	5	hr	\$95.00	per hour	\$475.00
Finance Director	5	hr	\$95.00	per hour	\$475.00
AGM	2	hr	\$100.00	per hour	\$200.00
GM	2	hr	\$110.00	per hour	\$220.00
Subtotal					\$9,970.00
15 % Contingency					\$1,495.50
Total					\$11,466

Table A2: In-Kind Services for Grant Administration (Tasks 5-11)*

Item Description	QTY	Unit	Price	Unit Costs	Cost (\$)
Assistant Engineer II	480	hr	\$65.00	per hour	\$31,200.00
Environmental Chief	240	hr	\$85.00	per hour	\$20,400.00
Hydro Chief	240	hr	\$86.00	per hour	\$20,640.00
Flood Director	80	hr	\$94.00	per hour	\$7,520.00
Finance Director	80	hr	\$95.00	per hour	\$7,600.00
AGM	40	hr	\$100.00	per hour	\$4,000.00
GM	20	hr	\$110.00	per hour	\$2,200.00
Subtotal					\$93,560.00
15 % Contingency					\$14,034.00
Total					\$107,594

*Estimated

Table A3: Levee Modification

Levee Miles	Price	Unit	Cost (\$)
3.3	\$770,000	per mile	\$2,541,000.00
Subtotal			\$2,541,000.00
Contingency			\$381,150.00
Total			\$2,922,150.00

Trench dimentions estimated at
20x1 feet.

3.3 miles of levee trenching is
proposed.

Table A4: Flood Staging Area/New Project Levee

Item Description	QTY	Unit	Price	Unit Costs	Cost (\$)
Four-Thirty Scrappers	120	hr	700	per hour	\$84,000.00
14C Motorgrader	160	hr	125	per hour	\$20,000.00
Water Truck	160	hr	65	per hour	\$10,400.00
D-8 Dozer	160	hr	175	per hour	\$28,000.00
Tulare County CCC	80	hr	64	per hour	\$5,120.00
Subtotal					\$147,520.00
Contingency					\$22,128.00
Total					\$169,648.00

Importation of 350,000 CY of fill material*

(*) Existing fill material on site

Table A5: Arundo Erradication

Year	River Miles	Total Acres/Year	Gallons/year	Contractor	Herbicide	Total
1	15	72	2	\$120,000	\$20,000	\$140,000
2	15	72	2	\$120,000	\$20,000	\$140,000
3	15	72	2	\$120,000	\$20,000	\$140,000
	15	72	2	\$120,000	\$20,000	\$140,000
Total	60	72	2	\$480,000	\$80,000	\$560,000

1Each year treat 15 mile reach. 15 x 5280 feet x 20 feet/clump = 1,584,000 sq/ft or 36 acres.

2Two sides of river = 72 acres/year.

3Two gallons of Rodeo/acre = 144 gal/year.

4 144 gal/year x @ \$100/gal = @ \$15,000/year.

5 Estimated cost for herbicide = \$20,000/year.